

ATTY. DOCKET NO.  
4-31452A  
APPLICATION NO.  
09/870,203  
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HALLENBECK ET AL.  
FILING DATE  
MAY 30, 2001

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## U. S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
WJ	AA	5,543,328	8/6/96	McClelland, et al.			8/13/93
	AB	5,559,099	9/24/96	Wickham, et al.			9/8/94
	AC	5,712,136	1/27/98	Wickham, et al.			4/17/96
	AD	5,731,190	3/24/98	Wickham, et al.			9/6/96
	AE	5,756,086	5/26/98	McClelland, et al.			2/6/96
	AF	5,770,442	6/23/98	Wickham, et al.			2/21/95
	AG	5,801,029	9/1/98	McCormick			6/7/95
	AH	5,998,205	12/7/99	Hallenbeck, et al.			7/1/97
	AI						
	AJ						
	AK						
	AL						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	OFFICE	CLASS	SUBCLASS	TRANSLATION YES	NO
WJ	AM	EP 672 158 B1	11/4/93	European Patent Office			<input type="checkbox"/>	<input type="checkbox"/>
WJ	AN	WO 98/44121	10/8/98	PCT			<input type="checkbox"/>	<input checked="" type="checkbox"/>
WJ	AO	WO 99/39734	8/12/99	PCT			<input type="checkbox"/>	<input type="checkbox"/>
WJ	AP	WO 99/41359	8/19/99	PCT			<input type="checkbox"/>	<input type="checkbox"/>
WJ	AQ						<input type="checkbox"/>	<input type="checkbox"/>

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

WJ	AR	Bewley, et al., "Structural Analysis of the Mechanism of Adenovirus Binding to Its Human Cellular Receptor, CAR," <u>Science</u> , 286:1579-1583 (November 19, 1999)
WJ	AS	Byk, et al., "Lipofectamine and Related Cationic Lipids Strongly Improve Adenoviral Infection Efficiency of Primitive Human Hematopoietic Cells," <u>Human Gene Therapy</u> , 9:2493-2502 (November 20, 1998)
WJ	AT	Dechechchi, et al., "Heparan Sulfate Glycosaminoglycans Are Involved in Adenovirus Type 5 and 2-Host Cell Interactions," <u>Virology</u> , 268:382-390 (March 2000)

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1/23/03

\*EXAMINER: Initial of reference considered, whether or not citation is in conformance with MPEP 609. Draw a line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.

## INFORMATION DISCLOSURE CITATION

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## OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent pages, Etc.)

AA	Dmitriev, et al., "An Adenovirus Vector with Genetically Modified Fibers Demonstrates Expanded Tropism via Utilization of a Coxsackievirus and Adenovirus Receptor-Independent Cell Entry Mechanism," <u>Journal of Virology</u> , 72(12):9706-9713 (December 1998)
AB	Freimuth, et al., "Coxsackievirus and Adenovirus Receptor Amino-Terminal Immunoglobulin V-Related Domain Binds Adenovirus Type 2 and Fiber Knob from Adenovirus Type 12," <u>Journal of Virology</u> , 73(2):1392-1398 (February 1999)
AC	Hay, et al., "Enhanced Gene Transfer to Rabbit Jugular Veins by an Adenovirus Containing a Cyclic RGD Motif in the HI Loop of the Fiber Knob," <u>J. Vascular Research</u> , 38:315-323 (2001)
AD	Hidaka, et al., "CAR-dependent and CAR-independent Pathways of Adenovirus Vector-Mediated Gene Transfer and Expression in Human Fibroblasts," <u>The Journal of Clinical Investigation</u> , 103(4):579-587 (February 1999)
AE	Hong, et al., "Requirements for Correct Nuclear Targeting, Assembly and Processing of Adenovirus Fiber," Abstract of paper presented at the Tumor Virus Meeting on SV40, Polyoma, and Adenoviruses at Cold Spring Harbor, New York (August 15-19, 1990)
AF	Hong, et al., "The Amino Terminus of the Adenovirus Fiber Protein Encodes the Nuclear Localization Signal," <u>Virology</u> , 185:758-767 (1991)
AG	Jakubczak, et al., "Adenovirus Type 5 Viral Particles Pseudotyped with Mutagenized Fiber Proteins Show Diminished Infectivity of Coxsackie B-Adenovirus Receptor-Bearing Cells," <u>Journal of Virology</u> , 75(6):2972-2981 (March 2001)
AH	Javier, et al., "Requirement for the Adenovirus Type 9 E4 Region in Production of Mammary Tumors," <u>Science</u> , 257:1267-1271 (August 28, 1992)
AI	Kirby, et al., "Identification of Contact Residues and Definition of the CAR-Binding Site of Adenovirus Type 5 Fiber Protein," <u>Journal of Virology</u> , 74(6):2804-2813 (March 2000)
AJ	Kirby, et al., "Mutations in the DG Loop of Adenovirus Type 5 Fiber Knob Protein Abolish High-Affinity Binding to Its Cellular Receptor CAR," <u>Journal of Virology</u> , 73(11):9508-9514 (November 1999)
AK	Krasnykh, et al., "Characterization of an Adenovirus Vector Containing a Heterologous Peptide Epitope in the HI Loop of the Fiber Knob," <u>Journal of Virology</u> , 72(3):1844-1852 (March 1998)
AL	Leissner, et al., "Influence of Adenoviral Fiber Mutations on Viral Encapsulation, Infectivity and In Vivo Tropism," <u>Gene Therapy</u> , 8:49-57 (2001)
AM	Li, et al., "Integrin $\alpha_v\beta 1$ is an Adenovirus Coreceptor," <u>Journal of Virology</u> , 75(11):5405-5409 (June 2001)
AN	Nemerow, G., "Cell Receptors Involved in Adenovirus Entry," <u>Virology</u> , 274:1-4 (August 2000)

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## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

AA	Roelvink, et al., "Genetically Targeting Adenovirus Vectors," Abstract presented at meeting on Vector Targeting Strategies for Gene Therapy at Cold Spring Harbor, New York (March 15-18, 2001)
AB	Roelvink, et al., "Identification of a Conserved Receptor-Binding Site on the Fiber Proteins of CAR-Recognizing Adenoviridae," <u>Science</u> , 286:1568-1571 (November 19, 1999)
AC	Santis, et al., "Molecular Determinants of Adenovirus Serotype 5 Fibre Binding to its Cellular Receptor CAR," <u>Journal of General Virology</u> , 80:1519-1527 (1999)
AD	Smith, et al., "Adenovirus Mediated Expression of Therapeutic Plasma Levels of Human Factor IX in Mice," <u>Nat Genet</u> , 5:397-402 (1993)
AE	Stevenson, et al., "Human Adenovirus Serotypes 3 and 5 Bind to Two Different Cellular Receptors Via the Fiber Head Domain," <u>Journal of Virology</u> , 69(5):2850-2857 (May 1995)
AF	Stevenson, et al., "Selective Targeting of Human Cells by a Chimeric Adenovirus Vector Containing a Modified Fiber Protein," <u>Journal of Virology</u> , 71(6):4782-4790 (June 1997)
AG	Summerford, et al., "Membrane-Associated Heparan Sulfate Proteoglycan is a Receptor for Adeno-Associated Virus Type 2 Virions," <u>Journal of Virology</u> , 72(2):1438-1445 (February 1998)
AH	van Raaij, et al., "Structure of the Human Adenovirus Serotype 2 Fiber Head Domain at 1.5 Å Resolution," <u>Virology</u> , 262:333-343 (1999)
AI	von Seggern, et al., "Adenovirus Vector Pseudotyping in Fiber-Expressing Cell Lines: Improved Transduction of Epstein-Barr Virus-Transformed B Cells," <u>Journal of Virology</u> , 74(1):354-362 (January 2000)
AJ	von Seggern, et al., "A Helper-Independent Adenovirus Vector with E1, E3, and Fiber Deleted: Structure and Infectivity of Fiberless Particles," <u>Journal of Virology</u> , 73(2):1601-1608 (February 1999)
AK	von Seggern, et al., "Complementation of a Fibre Mutant Adenovirus by Packaging Cell Lines Stably Expressing the Adenovirus Type 5 Fibre Protein," <u>Journal of General Virology</u> , 79:1461-1468 (1998)
AL	Wickham, et al., "Integrins $\alpha_v\beta_3$ and $\alpha_v\beta_5$ Promote Adenovirus Internalization but not Virus Attachment," <u>Cell</u> , 73:309-319 (1993)
AM	Xia, et al., "Crystal Structure of the Receptor-Binding Domain of Adenovirus Type 5 Fiber Protein at 1.7 Å Resolution," <u>Structure</u> , 2:1259-1270 (December 15, 1994)
AN	Dechechchi, et al., "Heparan Sulfate Glycosaminoglycans Are Receptors Sufficient To Mediate the Initial Binding of Adenovirus Types 2 and 5," <u>J. Virology</u> , 75(18):8772-8780 (September 2001)

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